

			M&S (\$k)	Effort (FTE)	Labor (\$k)	Sum (\$k)	Institution	\$	TOTAL (\$k)
FY ' 01									1983
	Lab G 805 MHz installation								
		Install s.c. magnet, install He transfer lines, complete roof of cave, complete water supplies and interlocks, test klystron with RF into dummy load	195	1.6	136	331	FNAL	331	
	Lab G 201 MHz installation								
		Prepare for 201 MHz, build shielded cave, install gates, interlocks, water supplies, prepare space for tetrode and modulator	200	4.1	349	549	FNAL	549	
	Be window R&D								
		Design and testing of Be windows and gridded tubes	110	1.2	102	212	FNAL/LBNL	106/106	
	201 MHz cavity design								
	Design of 201 MHz cavity with covered apertures. Procurement of materials	345	2.6	221	566	FNAL/LBNL	111/455		
805 MHz cavity									
	Testing in Lab G, modifications to pillbox cavity, re-testing.	205	1.2	120	325	FNAL/LBNL/ Mississippi	137/137/ 50		
FY '02									1370
	Lab G 201 MHz installation								
		Buy tetrode, install tetrode and power supplies, drive amplifier and low-level electronics, coaxial feed lines, complete cave, install interlocks, install water supplies	325	1.5	200	525	FNAL		
	Be window R&D								
		Design and testing of Be windows and gridded tubes	200	1	100	300	FNAL/LBNL		
	LN temperature study								
	Investigate feasibility of LN cooling of cavities	100	0.5	100	200	FNAL/LBNL			
201 MHz cavity manufacture									
	Manufacture 201 MHz cavity with covered apertures	245	0.5	100	345	LBNL/ Mississippi			

FY '03											955
	LN temperature study										
		Test LN cooled cavity at 805 MHz in Lab G. Modify s.c. magnet for vacuum. Prepare cavity for LN cooling.	350	1.2	150	500	FNAL/LBNL				
	201 MHz cavity testing										
		Test 201 MHz cavity in Lab G. Modifications to cavity, re-testing.	300	1.5	155	455	FNAL/LBNL				
FY '04											785
	201 MHz second cavity design and manufacture										
		Design of second 201 MHz cavitywith enhanced features. Procurement of materials, manufacture.	655	1.5	130	785	FNAL/LBNL/ Mississippi				
FY '05											135
	201 MHz second cavity testing										
		Test second 201 MHz cavity in Lab G. Modifications to cavity, re-testing.	85	0.5	50	135	FNAL/LBNL				